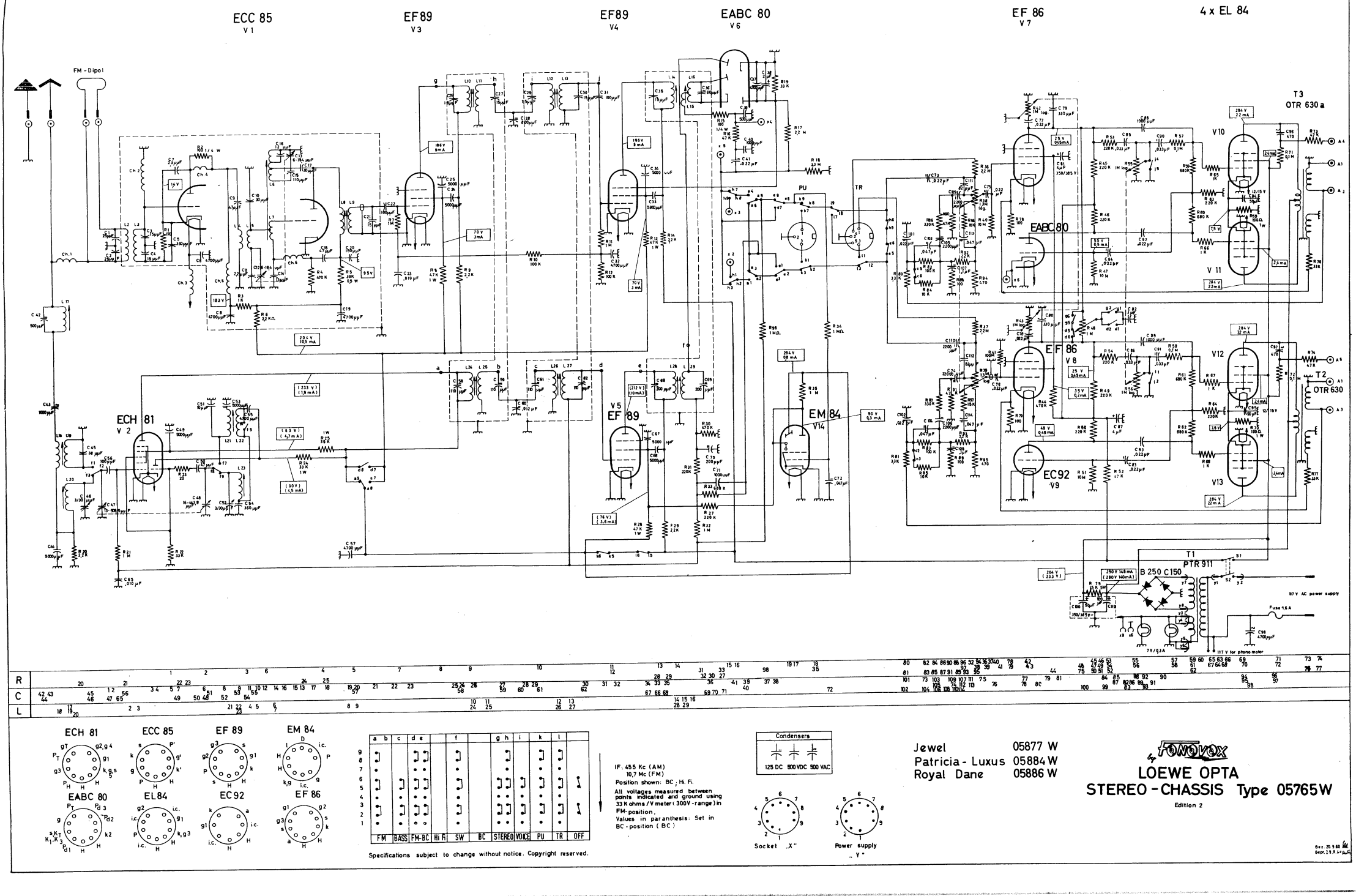


ECH 81

ECC 85

EF 89

EM 84

EABC 80

EL84

EC92

EF 86

	a	b	c	d	e		f		g	h	i	k	l	
9														
8														
7														
6														
5														
4														
3														
2														
1														
	FM		BASS	FM-BC	Hi Fi	SW		BC	STEREO	VOICE	PU	TR	OFF	

IF: 455 Kc (AM)
10,7 Mc (FM)
Position shown: BC ; Hi. Fi.
All voltages measured between points indicated and ground using 33 K ohms / V meter (300 V - range) in FM-position.
Values in paranthesis: Set in BC - position (BC)

Specifications subject to change without notice. Copyright reserved.

Condensers

Socket „X"

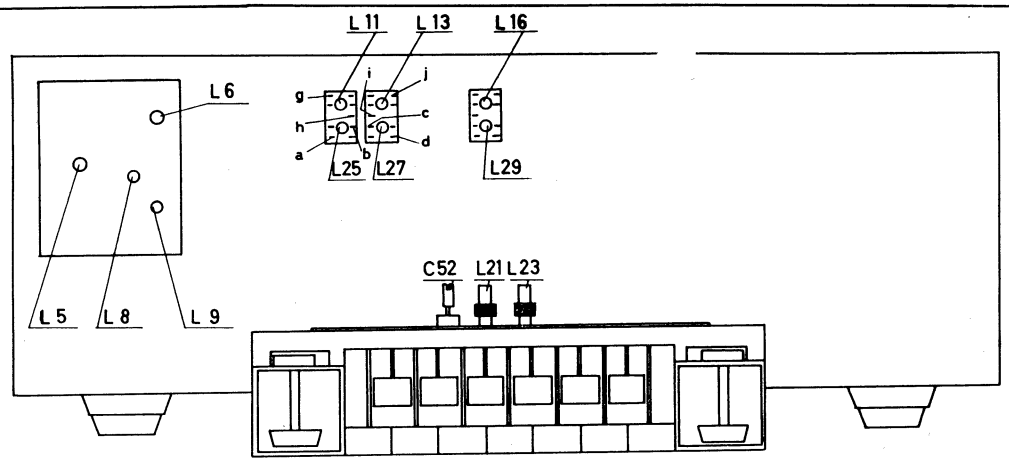
Power supply „Y"

Jewel	05877 W
Patricia - Luxus	05884 W
Royal Dane	05886 W

FONOVOX

LOEWE OPTA
STEREO - CHASSIS Type 05765 W

Edition 2

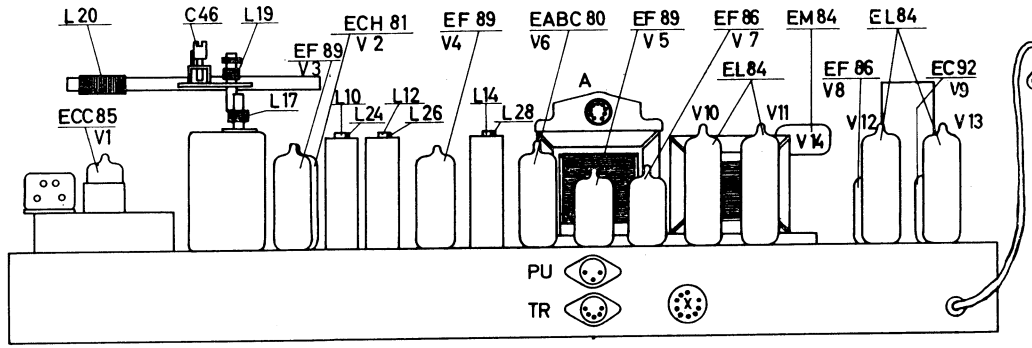


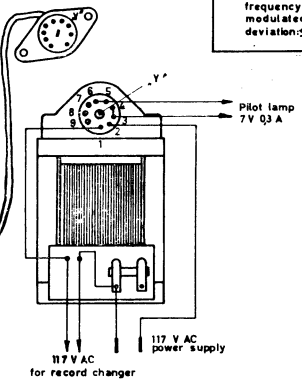
Intermediate frequency alignment 455 Kc				
Range	position of pointer	Signal generator connection	Alignment	Remarks
BC	appr. 600 Kc	grid 1 EF 89	L 28 and L 29 maximum	When aligning one side of IF-Filter, the other side has to be damped by a combination of 5 KΩ and 5000 pF in series. When aligning the four circuit IF-Filter, two circuits have to be damped by a combination of 5 KΩ and 5000 µµF in series. At first L 24 and L 26 and then L 25 and L 27.
		grid 1 ECH 81	L 24, L 26 and L 25, L 27 maximum	
BC	appr. 600 Kc	aerial socket	L 17 minimum	

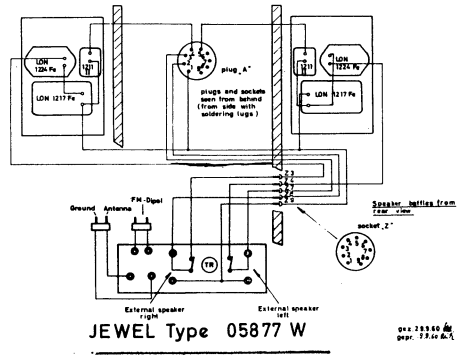
FM intermediate frequency 10,7 Mc			
Signal generator frequency-modulated deviation: ± 15 Kc	Signal generator connection	Alignment	Remarks
	grid 1 EF 89	L 14 and L 16 maximum	Aligning indication: outputmeter. Generator voltage should not be higher than necessary for appr. 1 volt, measured on outputmeter (Volume full) When aligning the four circuit IF-Filter, two circuits have to be damped by a combination of 5 KΩ and 5000 µµF in series. At first L 10 and L 12 and then L 11 and L 13
	grid 1 EF 89	L10, L12 and L11, L13 maximum	
	insulated wire to the service oscillator (ECC 85)	L 8 and L 9 maximum	

BC and SW alignment				
Range	frequency position of pointer	Oscillator	RF circuit	Remarks
BC	525 Kc 1600 Kc 560 Kc 1450 Kc	L 23 C 52	L 20 C 46	Pointer on calibration points of dial. Alignment to be repeated several times for maximum output. Signal generator via dummy antenna (200 µµF + 200 Ohms in series) connected on antenna socket.
SW	10,7 Mc	L 21	L 18	

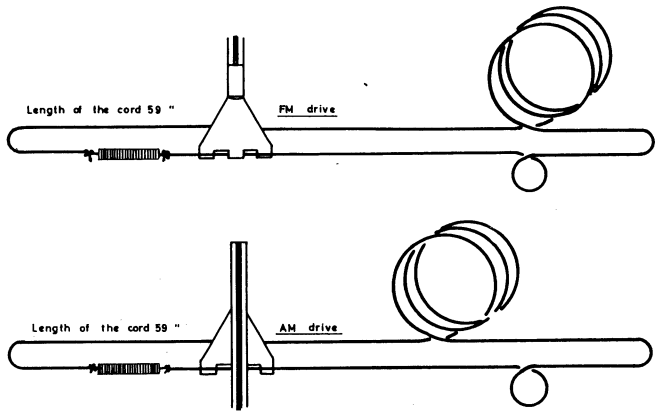
FM circuit alignment				
Signal generator frequency-modulated deviation: ± 15 Kc	Frequency position of pointer	Oscillator	RF circuit	Remarks
	98 Mc 105 Mc	L 6	L 5	Signal generator sym. (240 Ω) on dipole jacks. Input appr. 5-10 µ V. Alignment indication: outputmeter



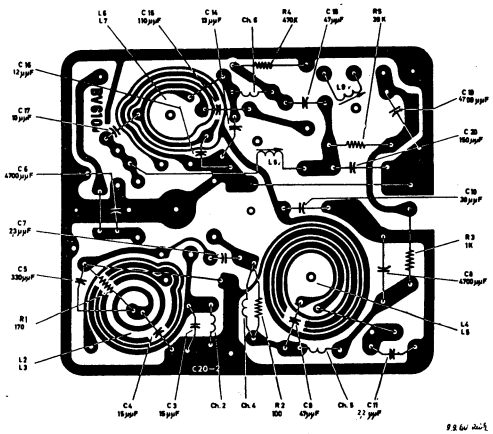


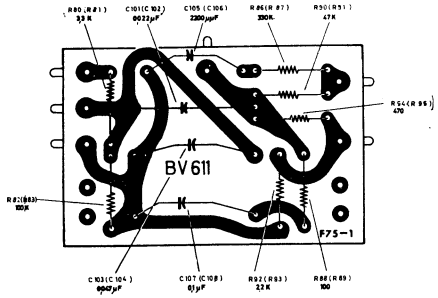


JEWEL Type 05877 W



Tube interchangeability chart American and European types	
American type	European type
——	EM 84
6AJ 8	ECH 81
6267	EF 86
6AQ 8	ECC 85
6DA6	EF 89
6T8	EABC 80
6AB4	EC 92
6BQ 5	EL 84





Gez.: 21.9.60
Gepr.: 29.9.60